CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 79-13

NPDES PERMIT NO. CA0006076

REISSUANCE OF WASTE DISCHARGE REQUIREMENTS FOR:

GENERAL MOTORS CORPORATION
GENERAL MOTORS ASSEMBLY DIVISION
FREMONT
ALAMEDA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter Board), finds that:

1. General Motors Corporation, General Motors Assembly Division, Fremont, (hereinafter discharger) has filed a Report of Waste Discharge (NPDES Short Form C) for reissuance of its NPDES Permit. Board Order No. 74-32, which expires March 19, 1979, currently prescribes waste discharge requirements for the discharger.

2. The discharger currently discharges approximately 70,000 gallons per day (average maximum dry weather flow) of industrial waste containing pollutants into Laguna Creek, a water of the United States, at Cushing Road in Fremont, California. The wastewater consists of dry weather runoff from streets, parking lots, lawn watering, lawn drainage, fire sprinkler supply tank and domestic water tower overflows, drinking fountain drainage and occasional spills within the plant. During wet weather, storm runoff causes the flowrate to increase by a factor of at least two. All process wastes within the plant are discharged to the Union Sanitary District sewer system.

3. The Board adopted a Water Quality Control Plan for San Francisco Bay Basin in April 1975, which contains water quality objectives for tidal and non-tidal surface waters.

4. The beneficial uses of Laguna Creek and contiguous waters are:

   a. Recreation
   b. Fish migration and habitat
   c. Habitat and resting for waterfowl and migratory birds
   d. Esthetic enjoyment

5. Effluent limitation and toxic effluent standards established pursuant to Section 208(b), 301, 304, and 307 of the Federal Water Pollution Control Act and amendments thereto are applicable to the discharge.

6. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.

7. The reissuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21000) of Division 13 of the Public Resources Code in accordance with Water Code Section 13389.

8. The Board in a public meeting heard and considered all comments pertaining to the discharge.

9. This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act, or amendments thereto, and shall take effect at the end of ten days from the date of hearing provided the Regional Administrator has no objections.

IT IS HEREBY ORDERED, General Motors Corporation, General Motors Assembly Plant, Fremont, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder and the provisions of the Federal Water Pollution Control Act, and regulations and guidelines adopted thereunder shall comply with the following:

A. Effluent Limitations

1. The discharge of an effluent in excess of the following limits is prohibited:

Constituents	Units	30-Day Average	Daily Maximum
Suspended Solids	lbs/day (kg/day) mg/l	11.7 (5.31) 20	17.5 (7.94) 30
Oil and Grease	lbs/day (kg/day) mg/l	2.9 (1.32) 5	5.8 (2.63) 10
Zinc	lbs/day (kg/day) mg/l	0.3 (0.14) 0.5	0.6 (0.27) 1.0
Lead	lbs/day (kg/day) mg/l	0.03 (.01) 0.05	0.06 (.03) 0.10
Copper	lbs/day (kg/day) mg/l	0.1 (.05) 0.2	0.2 (.09) 0.4

2. The discharge shall not have a pH of less than 6.5 nor greater than 8.5.

B. Receiving Water Limitations

1. The waste shall not cause:

a. Visible, floating, suspended or deposited oil or other products of petroleum origin in waters of the State at any place;

b. Floating, suspended, or deposited macroscopic particulate matter or foam, in waters of the State at any place;

c. Bottom deposits or aquatic growths at any place;

d. Alteration of apparent color beyond present natural background levels in waters of the State at any place;

e. Increased turbidity above background levels in waters of the State at any place by more than the following:

Receiving Water Background	Incremental Increase
< 50 units (JTU)	5 units, maximum
50-100 units	10 units, maximum
> 100 units	10% of background, maximum

f. Waters of the State to exceed the following limits of quality at any place within one foot of the water surface:

Dissolved Oxygen	Minimum - 5.0 mg/l Annual median - 80% saturation When natural factors cause lesser concentrations, then this discharge shall not cause further reduction in the concentration of dissolved oxygen.
pH	A variation from natural ambient pH by more than 0.2 pH units.

g. Toxic or other deleterious substances to be present in waters of the State in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentrations.

2. This discharge shall not cause a violation of any other applicable water quality standard for receiving waters adopted by the Regional Board or the State Water Resources Control Board as required by the Federal Water Pollution Control Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Feceral Water Pollution Control Act, or amendments thereto, the Board will revise and modify this Order in accordance with much more stringent standards.

C. Provisions

1. Neither the treatment nor the discharge of pollutants shall create a nuisance as defined in the California Water Code.

2. The effluent limitations prescribed in Paragraph A.1 shall not apply when the waste flow is augmented by stormwater runoff.

3. This permit may be modified, or, alternatively, revoked and reissued, to comply with any applicable effluent limitation issued pursuant to the order the United States District Court for the District of Columbia issued on June 8, 1976, in Natural Resources Defense Council, Inc. et. al. v Russell E. Train, 8 ERC 2120 (D. D. C. 1976), if the effluent limitation so issued:

   (a) is different in conditions or more stringent than any effluent limitation in the permit; or

   (b) controls any pollutant not limited in the permit.

4. This Order includes the attached "Standard Provisions, Reporting Requirements and Definitions" dated April 1977 with the exception of Sections A.5, A.12, B.2, B.3, and B.5.

5. Order No. 74-32 is hereby rescinded.

6. This Order expires on February 19, 1984, and the discharger must file a Report of Waste Discharge in accordance with Title 23, California Administrative Code, not later than 180 days in advance of such date as application for issuance of new waste discharge requirements.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on February 20, 1979.

FRED H. DIERKER
Executive Officer

Attachments:
Std Prov. Rept. Reg., and Def. (4/77)
Revised Self-Monitoring Program

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

REVISED

SELF-MONITORING PROGRAM
FOR

GENERAL MOTORS CORPORATION

FREMONT ASSEMBLY PLANT

ALAMEDA COUNTY

NPDES NO. CA 0006076

ORDER NO. 79-13

CONSISTS OF

PART A, dated January 1978

AND

PART B ordered April 16, 1974
revised February 26, 1979

PART B

I. DESCRIPTION OF SAMPLING STATIONS

A. EFFLUENT

Station	Description
E-001	At any point in the outfall from the plant facilities between the point of discharge and the point at which all waste tributary to that outfall is present.

II. SCHEDULE OF SAMPLING, MEASUREMENTS, AND ANALYSES

The schedule of sampling, measurements, and analyses shall be as given in Table I.

I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 79-13.

2. Does not include the following paragraphs of Part A:

   C.3., C.4., C.5.a., C.5.c., C.5.d., C.5.e., D.1., D.3., D.4., E.4., F.3.e., F.3.g.

3. Part A, F.3. is modified to read: "Written reports shall be filed quarterly by the fifteenth day of the month following the calendar quarter...."

4. Has been ordered revised by the Executive Officer on and shall become effective immediately.

5. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.

FRED H. DIERKER
Executive Officer

Date Ordered February 26, 1979

Attachment:
Table I

TABLE I

SCHEDULE OF SAMPLING, MEASUREMENTS, AND ANALYSES

SELF-MONITORING PROGRAM - NPDES # CA0006076

Sampling Stations	E-001	
Type of Sample	C-24	G
Flow Rate (mgd)	M (1)	
Total Suspended Matter (mg/l & kg/day)	M	
pH (units)		W
All Applicable Standard Observations		W
Oil and Grease (mg/l & kg/day)		2/ M
Zinc (mg/l & kg/day)	M	
Lead (mg/l & kg/day)	M	
Copper (mg/l & kg/day)	M	
Fish Toxicity, 96 hr. % survival undiluted waste	2/Y	

LEGEND FOR TABLE

TYPES OF SAMPLES

G = grab sample
C-24 = composite sample - 24-hour

TYPES OF STATIONS

E = waste effluent stations

FREQUENCY OF SAMPLING

W = once each week
M = once each month
2/Y = Two per year (July and August)

(1) Monthly estimate

(2) Oil and grease sampling shall consist of 3 grab samples taken at maximum equal intervals during the daylight hours with each grab being collected in a glass container and analyzed separately. Results shall be expressed as a weighted average of the 3 values based upon the instantaneous flow rates occurring during time of each sample.